


**Air Force Modeling and Simulation Resource**

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Address <http://afmsrr.afams.af.mil/>



Version 4.01G

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The Air Force Agency for Modeling and Simulation (AFMS) is the official Air Force Modeling and Simulation Resource Repository (MSRR), as directed by **Headquarters Air Force Modeling and Simulation (AFMS)** (XOC), serving as the official Air Force Modeling and Simulation Resource Repository.

**AFMS Golden Legacy, Boundless Future YEARS**


The goal is to provide a central repository for modeling and simulation data, to reuse and avoid duplication of simulations, data, and resources, and to register with the AFMS Maintenance of Information (MOI).

Logged On: RC, AFMSRR  
Log Off

**Army Model & Simulation Resource Repository**

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Address <http://www.msrr.army.mil/>



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**Registered Users**

The Army MSRR is part of the DoD-wide system of Modeling and Simulation Resource Repositories (MSRR). The MSRR promotes information sharing and communication among modeling and simulation organizations and a significant effort in leveraging M&S technologies for the Army. It is intended as a guide and directory to help locate, access, and obtain M&S resources. Operations (TEMO); Advanced Concept Development, and Acquisition (RDA).


**AMS** The Army Modeling and Simulation Resource Repository

*Be all you can be.*

**Navy Modeling & Simulation Catalog**

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Address <http://navmsmo.hq.navy.mil/nmsicat/>



**NAVMSMO**  
navy modeling & simulation management office

**Navy M&S catalog**

The **Navy Modeling and Simulation Catalog** is part of a DoD-wide system of M&S databases (MSRR) that allows users to discover, access, and obtain M&S resources that support military assessments, training, and acquisition.

**Mission:** To provide leadership and guidance for modeling policy, strategy, investment, and practices; to oversee maintenance of a model repository; to provide technical assistance to model users and developers; to review resource expenditures on new model development; to sponsor initiatives for the community good and to provide centralized coordination of U.S. Navy Modeling and Simulation.

**DISCLAIMER**  
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Last Updated: 4/28/1998

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Internet zone

# Where we are today

- Developed common data structure to share M&S resources easily
- Populate, display, and maintain M&S resources based on individual Service preferences
- Common system provides easy searching across all repositories
- Access to nearly 2500 resources

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# NAVMSMO

navy modeling & simulation management office

## Navy M&S catalog

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Ordered by: Title

[\*\*Acoustic System Performance Model \(ASPM\)\*\*](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[\*\*ArchVision\*\*](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[\*\*Attack Submarine Analysis Data Book - ASAD\*\*](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/29/1998

**Summary:** Detailed numerical data to support engineering- and platform-level modeling, of ASW, particularly sonar detection, classification, approach/attack, weapons and countermeasures. Includes threat (Russian and rest-of-world) submarine and ASW surface ship force levels & general characteristics, radiated noise, sonar parameters, target strength; threat weapons maneuvering characteristics, radiated noise, general characteristics; threat ASW aircraft, acoustic and electromagnetic sensors; US submarine data includes force levels & general characteristics, radiated noise, sonar characteristics (self-noise, recognition differential, active source levels, directivity, transfer functions, system loss, tracker characteristics, weapons, countermeasures.

[\*\*Backgrounds Center of Expertise\*\*](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[\*\*Bottom Conductivity\*\*](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[\*\*Computer Aided Embarkation Management system \(CAEMS\)\*\*](#)

Data Source

Sponsor: Department of the Navy

Modified: 7/2/1998

[\*\*Consolidated Low Frequency Bottom Loss \(CLFBL\)\*\*](#)

Data Source

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Ordered by: Date

**[Axisymmetric/Planar Elastic Structures - APES](#)**

Model/Simulation

**Sponsor:** Department of the Navy

Modified: 8/31/1998

**[Search And TRACk Program - SEATRAP](#)**

Model/Simulation

**Sponsor:** Department of the Navy

Modified: 8/31/1998

**Summary:** SEATRAP is an AEGIS AN/SPY-1 Radar Performance model used to evaluate probability of detection, firmltrack, clutter and ECM descrimination. Model uses an internal RPO propagation algorithm. Model performs assessement of both AAW and TBM targets

**[Telecomputing Toolbox - TT](#)**

Data Source

**Sponsor:** Department of the Navy

Modified: 8/31/1998

**Summary:** Configuration management and system engineering application and database for designing, implementing, and supporting networks and data communications equipment both shipboard and shore-based.

**[Multi-Target Effectiveness Determined Under Simulation for AEGIS - MEDUSA](#)**

Model/Simulation

**Sponsor:** Department of the Navy

Modified: 8/31/1998

**[System Performance Evaluator Comprising Target Radar, Missile - SPECTRM](#)**

Model/Simulation

**Sponsor:** NAVSEASYSKOM

Modified: 8/31/1998

**Summary:** Determines for a single target (vs. time) the performance capability of the AEGIS system in search, detection, transition-to-track, tracking, illumination, and mid-course guidance (SM-2 Block II, III, IIIA, IIIB, IV, IVA) in clear and ECM environments

**[P3 Update III \(AN/ASQ 212\) Aircraft Simulation System - P3C](#)**

Model/Simulation

Shortcut to view\_detail.cfm?RID=MNS\_N\_1000480



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*Be all you can be.*



## Army Modeling and Simulation Resource Repository

The Army MSRR is part of the DoD-wide [Model & Simulation Resource Repository \(MSRR\)](#). The MSRR promotes interoperability, reuse, and commonality through information sharing and communication throughout the M&S community. A large number of organizations and a significant degree of effort are involved throughout the US Army in leveraging M&S technologies for the execution of Title 10 responsibilities. This site is intended as a guide and directory to Internet information on these activities. Users can locate, access, and obtain M&S resources that support Training, Exercises, & Military Operations (TEMO); Advanced Concepts and Requirements (ACR); and Research, Development, and Acquisition (RDA).



The Army Model & Simulation Office (AMSO) hosts the Army MSRR.





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## Proponent

A list of organizations affiliated with Army M&S activities.

- [Army Materiel Command](#)
- [Army Model and Simulation Office](#)
- [Chief of Engineers](#)
- [Communications-Electronics Command](#)
- [Concepts Analysis Agency](#)
- [Cost & Economic Analysis Center](#)
- [Department of the Army](#)
- [Eighth U.S. Army](#)
- [Forces Command](#)
- [Intelligence and Security Command](#)
- [Medical Command](#)
- [Military District of Washington](#)
- [Military Traffic Management Command](#)
- [National Guard Bureau](#)
- [Office of the Secretary of Defense](#)
- [Office, Chief of Army Reserves](#)
- [Operational Test & Evaluation Agency](#)
- [Space and Missile Defense Command](#)
- [Special Operations Command](#)
- [Training & Doctrine Command](#)
- [Transportation Command](#)
- [U.S. Army Europe & 7th Army](#)
- [U.S. Army Pacific Command](#)
- [U.S. Army South](#)
- [US Army Corps of Engineers](#)



## Standard Search

Search within the Army MSRR ONLY

Search for:

Search

Select or de-select the categories of resources that you'd like to search.

☒ Data Sources

☒ Documents

☒ Model and Simulation

☒ Organizations

☒ Related Sites

☒ Support Tools/Utilities

## Search Points of Contact

Search People

For system problems or questions,  
contact the Army MSRR Web Administrator:  
[whartwd2@hqda.army.mil](mailto:whartwd2@hqda.army.mil)

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## Extended Search

### Search selected Service Nodes

Search for:

Select or de-select the nodes that you'd like to search.

- ☒ Army MSRR (*local*)
- ☒ [AFMSRR](#)
- ☒ [Navy M&S Catalog](#)

For system problems or questions,  
contact the Army MSRR Web Administrator:

[whartwd2@hqda.army.mil](mailto:whartwd2@hqda.army.mil)

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## [664] External Search for: "simulation"

### Ordered by:

### 1-on-N TASM

Model/Simulation - Navy M&S Catalog

**Proponent:** Department of the Navy

Modified: 12/15/1996

**Summary:** No Information provided.

### A New Vector

Reference - AFMSRR

**Proponent:** HQUSAF - XOC (Directorate of Command and Control)

Modified: 12/2/1997

**Summary:** A New Vector: Air Force Modeling and Simulation, documents our efforts to date and explains a future direction relying on quality processes, effective people, and a solid infrastructure of models, simulations and data.

### Aberdeen Missile Endgame Simulation

Model and Simulation - Army MSRR

**Proponent:** Army Materiel Command (AMC)

Modified: 6/15/1998

**Summary:** No Information provided.

### Abrams Full Crew Interactive Simulation Trainer

Model and Simulation - Army MSRR

**Proponent:** Training & Doctrine Command (TRADOC)

Modified: 6/15/1998

**Summary:** No Information provided.

### ACC - TACCSF (Theater Air Command and Control Simulation Facility)

Organization - AFMSRR

**Proponent:** ACC (Air Combat Command)

Modified: 8/28/1998

**Summary:** The Theater Air Command and Control Simulation Facility (TACCSF), located at Kirtland AFB, NM, is a unique facility with high fidelity, warfighter in-the-loop, tactical command and control (C2) and weapon system simulators.

ACQUISITION POLICY 074-004 Modeling and Simulation in Support



Version 4.02G

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- EMAC
- MEL

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*Anytime, Any Place,  
On Demand.*

Updated 8/25/98

# Air Force MSRR

## Air Force Modeling and Simulation Resource Repository

The Air Force Agency for Modeling and Simulation (**AFAMS**) has the responsibility to implement this Air Force Modeling and Simulation Resource Repository (AFMSRR) as directed by **Headquarters Air Force**, Director for Command and Control (HQ AF/ **XOC**), serving as the official Air Force node of the **DMSO MSRR**.



The goal is to provide a single source for information about and access to DoD models, simulations, datasources, algorithms, and other M&S resources in order to facilitate reuse and avoid duplication. Air Force organizations that have existing models, simulations, datasources, algorithms, and other M&S resources are encouraged to register with the AFMSRR using the submission choices on the navigation bar. Maintenance of items within the AFMSRR is the responsibility of the information provider.

# What is planned for the future

- Continue populating unclassified MSRR's
- Classified MSRR
- Interface with other MSRR nodes
- Integrate HLA, ADS, and other programs

# Issues

- Develop interface with each MSRR node
- Registration of services resources
- Joint M&S resources (Joint Combat Search and Rescue (JCSAR))
- OSD M&S Resources
- DTIC ?
- BoD Charter